

## M8 male 0° / M12 female 0° A-cod.

PUR 4x0.25 ye UL/CSA+drag ch. 0.3m

$$\label{eq:malestraight} \begin{split} & \text{Male straight} - \text{female straight} \\ & \text{M8} - \text{M12}, \text{ 4-pole} \end{split}$$

M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

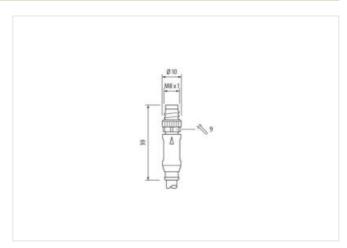
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

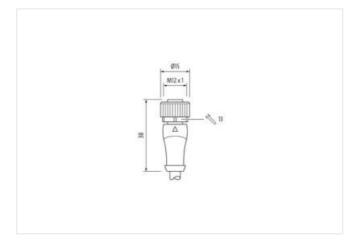
## **Link to Product**

## Illustration

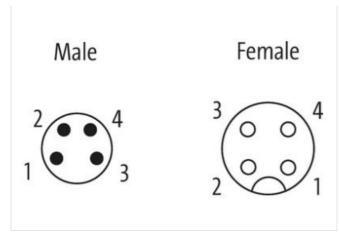












Product may differ from Image











| Side 1   |                   |
|--|-------------------|
| Tightening torque                                    | 0,4 Nm            |
| Mounting method                                      | inserted, screwed |
| Coating contact                                      | gold plated       |
| Family construction form                             | M8                |
| Thread   | M8 x 1            |
| suitable for corrugated tube (internal $\emptyset$ ) | 6,5 mm            |
| Coding   | A                 |
| Material contact                                     | Copper alloy      |
| No. of poles   | 4                 |
| Width across flats                                   | SW9               |
| Side 2   |                   |
| Tightening torque                                    | 0,6 Nm            |
| Mounting method                                      | inserted, screwed |
| Coating contact                                      | gold plated       |
| Family construction form                             | M12               |
| Thread   | M12 x 1           |
| suitable for corrugated tube (internal $\emptyset$ ) | 10 mm             |
| Coding   | A                 |
| Material contact                                     | Copper alloy      |
| No. of poles   | 4                 |
| Width across flats                                   | SW13              |
| Commercial data                                      |                   |
| ECLASS-6.0   | 27279218          |
| ECLASS-6.1   | 27279218          |
| ECLASS-7.0   | 27279218          |
| ECLASS-8.0   | 27279218          |
| ECLASS-9.0   | 27060311          |
| ECLASS-10.1  | 27060311          |
| ECLASS-11.1  | 27060311          |
| ECLASS-12.0  | 27060311          |



stay connected

| ETIM-5.0  | EC001855   |
|---|--|
| customs tariff number   | 85444290   |
| GTIN  | 4048879123594  |
| Packaging unit  | 1  |
| Electrical data   Supply  |  |
| Operating voltage AC max.   | 50 V   |
| <u> </u>  |  |
| Operating voltage DC max.  Operating voltage AC (UL-listed)   | 60 V<br>30 V   |
| Operating voltage DC (UL-listed)  | 30 V   |
| Current operating per contact max.  | 4 A  |
|   | 44   |
| Device protection   Electrical  | IDAT IDAT IDAA IDAAK   |
| Degree of protection (EN IEC 60529)   | IP65, IP67, IP68, IP66K  |
| Additional condition protection degree  | inserted, screwed  |
| Pollution Degree  | 3  |
| Rated surge voltage   | 1,5 kV   |
| Material group (IEC 60664-1)  | l  |
| Mechanical data   Material data   |  |
| Coating locking   | Nickeled   |
| Material gasket   | FKM  |
| Material housing  | PUR  |
| Locking material  | Zinc die-casting   |
| Mechanical data   Mounting data   |  |
| Mounting method   | inserted, screwed, Shaking protection  |
| Environmental characteristics   Climatic  |  |
| Operating temperature min.  | -25 °C   |
| Operating temperature max.  | 85 °C  |
| Additional condition temperature range  | depending on cable quality   |
| Important installation notes  |  |
| Note on strain relief   | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  |
| Note on bending radius  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  |
| Installation   Cable  |  |
| Cable identification  | 031  |
| Cable Type  | 3  |
| Jacket Color  | yellow   |
| Type of Certificate   | cURus  |
| Amount stranding  | 1  |
| Stranding   | 4 wires twisted  |
| wire arrangement  | brown, black, blue, white  |
|   |  |
| Traversing distance (C-track)   |  |
| Traversing distance (C-track)  Cable weigth   | 10 m @ 25 °C   horizontal  |
| Cable weigth  | 10 m @ 25 °C   horizontal 33 g/m   |
| Cable weigth Material jacket  | 10 m @ 25 °C   horizontal  33 g/m PUR  |
| Cable weigth  Material jacket  Shore hardness jacket  | 10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A   |
| Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)   | 10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                         |
| Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)                                    | 10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm                 |
| Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath) | 10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  4,5 mm  ± 5 %                         |
| Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)                                    | 10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm                 |



| Outer diameter tolerance core insulation          | ± 5 %  |
|---|--|
| Shore hardness wire insulation                    | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 32   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,25 mm <sup>2</sup>   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 3,6 A  |
| Electrical resistance line constant wire          | 79 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |